

CLAIM LISTING:

Claims 1-8 are cancelled and withdrawn from consideration. Claims 10-12 and 21-22 are dependent on independent claim 9. Claim 20 is an independent claim. This claim listing replaces all prior claim listings.

1-8. (Cancelled)

9. (Currently Amended) A video decoder for decoding video data, said video decoder comprising:

a local buffer for storing a portion of compressed video data;

a decompression engine for decoding the portion of the compressed video data stored in the local buffer, wherein the portion comprises a macroblock row; and

an extractor for transmitting an indicator to a direct memory access engine indicating that the portion of the compressed video data stored in the local buffer can be overwritten by another portion of the compressed video data, after the decompression engine decodes the portions of the video data stored in the local buffer.

10. (Original) The video decoder of claim 9, wherein the decompression engine transmits a command to the direct memory access engine.

11. (Previously Presented) The video decoder of claim 9, wherein the local buffer stores another portion of the compressed video data after the extractor transmits the signal to the direct memory access engine.

12. (Previously Presented) The video decoder of claim 9, further comprising:

a second local buffer for storing a second portion of the compressed video data while the first local buffer stores the portion of the compressed video data; and

a second extractor for transmitting an indicator to a direct memory access engine indicating that the second local buffer can store another portion of the compressed video data, after the decompression engine decodes the compressed second portion of the video data stored in the second local buffer.

13-19. (Cancelled)

20. (Currently Amended) A decoder system for decoding video data, said decoder system comprising:

a video decoder for decoding portions of compressed video data, said video decoder comprising:

a local buffer for storing the portions of the video data; and

an extractor for transmitting a signal indicating that one of the portions of video data stored a portion of the local buffer can be overwritten with another portion of the compressed video data after the video decoder decodes the portions of compressed video data, wherein the portions of the compressed video data comprise macroblock rows; and

a direct memory access engine for providing the another portion of the compressed video data to the portion of the local buffer, after receiving the signal from the extractor.

21. (Previously Presented) The video decoder of claim 9, wherein the extractor transmits the indicator after the decompression engine has decoded the portions, wherein decoding the portions further comprises motion compensating the portions.

22. (Cancelled)